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APPLICATION NO.	CATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/526,957	03/16/2000		Robert David Sebesta	EN9-98-141	1611	
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ARLEN L. OLSEN				EXAMI	EXAMINER	
SCHMEISER, OLSEN & WATTS 3 LEAR JET LANE			MITCHELL, JAMES M			
SUITE 201 LATHAM, NY 12110				ART UNIT	PAPER NUMBER	
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DATE MAILED: 08/13/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

9) The specification is objected to by the Examiner. 10) The drawing(s) filed on 05 April 2001 is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). 11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner. If approved, corrected drawings are required in reply to this Office action. 12) The oath or declaration is objected to by the Examiner. Priority under 35 U.S.C. §§ 119 and 120 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some children for interprity documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application). a) The translation of the foreign language provisional application has been received. Attachment(s) 1) Notice of References Cited (PTO-982) 4) Interview Summary (PTO-413) Paper No(s) 5) Notice of Informal Patent Application (PTO-152)		Application No.	Applicant(s)					
James Mitchell A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MITCHELL	Office Action Summany							
The MALLING DATE of this communication appears on the cover sheet with the correspondence address Period for Repty A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ③ MONTH(S) FROM THE MALLING DATE OF THIS COMMUNICATION. Educations of the map by available of the communication of 37 CFR 1.13(a). In a event, however, may a reply be timely filled with a SM (3) (AbNTH) for the mailing date of the communication of 37 CFR 1.13(a). In an event, however, may a reply be timely filled with a SM (3) (AbNTH) for the mailing date of the communication of	Office Action Summary	Examiner	Art Unit					
Period for Repty A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no avent, however, may a reply be timely filled Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no avent, however, may a reply be timely filled Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no avent, however, may a reply be timely filled Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no avent, however, may a reply be timely filled Extensions of time and avent avent and the provisions of 37 CFR 1.136(a). In no avent, however, may a reply be timely filled I NO period for reply is specified above, the maximum stabutory period will apply and valid apple 30 (in 10 Month) fill the stabutory uniform the maining date of this communication. Fasilos to reply which the set or control and the stabutory will apple 30 (in 10 Month) fill the stabutory uniform the maining date of this communication. Fasilos to reply which the set or control and the stabutory uniform the maining date of this communication. Status 1) May Responsive to communication(s) filled on 09 May 2003 2a) This action is FINAL. 2b) May 1 This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Exparie Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 2-7.9-13 and 28-36 is/are pending in the application. 4) Claim(s) 2-7.9-13 and 28-36 is/are pending in the application. 5) Claim(s) 2-7.9-13 and 28-36 is/are pending in the application. 5) Claim(s) 3-1.3 and 28-36 is/are pending in the application. 6) Claim(s) 3-1.3 and 28-36 is/are pending in the application. 6) Claim(s) 3-1.3 and 28-36 is/are pending in the application requirement. Application Papers 9) The specification is objected to by t								
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S Patent and Trademark Office	2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal F						

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DETAILED ACTION

Drawings

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore in claims 6 or 7, the first, second and third lines totally external to an interior of the substrate with unequal thickness, in direct surface-to- surface contact with the substrate, wherein the third line is coupled to the first and second line with the first circuit line coupled to a top surface of the substrate and a second circuit line coupled to a bottom surface of the substrate, or a PTH connecting first and second lines with a third line totally external to the substrate in direct surface-to- surface contact with the substrate, and coupled to the first and second line wherein the lines each have different thickness must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 6, 7 and 28-36 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably

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convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. There is no support in the original disclosure for a first and second lines with a third line totally external to the substrate in direct surface-to- surface contact with the substrate, and coupled to the first and second line wherein the lines each have unequal thickness with a first circuit line coupled to a top surface of the substrate and a second circuit line coupled to a bottom surface of the substrate.

- 2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 3. Claims 2-7, 9-13 and 27-35 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. It is unclear how the first, second, and third circuit line includes a pad, yet it does not consist essentially of a pad. The limitations are mutually exclusive.

Claims 2 and 3 recites the limitation "the interior" in Line 6. There is insufficient antecedent basis for this limitation in the claim.

Claims 2-7,9-13 and 28-36 have not been rejected over the prior art because, in light of the 35 U.S.C. 112 rejections supra, there is a great deal of confusion and uncertainty as to the proper interpretation of the limitations of the claims; hence, it would not be proper to reject the claims on the basis of prior art. As stated in In re Steele, 305 F.2d 859, 134 USPQ 292 (CCPA 1962), a rejection should not be based on considerable speculation about the meaning of terms employed in a claim or

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assumptions that must be made as to the scope of the claims. See also MPEP 2173.06.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James Mitchell whose telephone number is (703) 305-0244. The examiner can normally be reached on M-F 10:30-8:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David L. Talbott can be reached on (703) 305-9883. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 305-3432 for regular communications and (703) 305-3230 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-

0956.

August 11, 2003

Shub Vyashi John B. Vigisshin Primary Examine 6An 2827